

CITY COUNCIL AGENDA ITEM COVER MEMO

Agenda Item Number _____

Meeting Type: Regular

Meeting Date: 7/26/2012

Action Requested By:
Engineering

Agenda Item Type
Resolution

Subject Matter:

Modification No. 1 to Agreement with Barge, Waggoner Sumner, & Cannon, Inc.

Exact Wording for the Agenda:

Resolution authorizing the Mayor to modify the agreement with Barge, Waggoner, Sumner & Cannon, Inc. for Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431, Project No. 65-10-RD08, by Modification No. 1

11-229

Note: If amendment, please state title and number of the original

Item to be considered for: Action

Unanimous Consent Required: No

Briefly state why the action is required; why it is recommended; what Council action will provide, allow and accomplish and; any other information that might be helpful.

This modification is for the increased area of corridor studies for updating of the 2002 FONSI for approval by the Federal Highway Administration for a total modification amount of \$54,541.00. An additional 470 calendar days added to contract completion. New end date: December 11, 2014. Account No. 23-6500-0813-8114

Associated Cost:

Budgeted Item: Select...

MAYOR RECOMMENDS OR CONCURS: Select...

Department Head: 

Date: 7/10/12

Revised 3/12/2012

ROUTING SLIP CONTRACTS AND AGREEMENTS

Originating Department: **Engineering**

Council Meeting Date: **7/26/2012**

Department Contact: **Lynn Majors**

Phone # **256-427-5201**

Contract or Agreement: **Modification No. 1**

Document Name: **BWSC-Northern Bypass Project No. 65-10-RD08**

City Obligation Amount: **\$54,541.00**

Total Project Budget: **\$930,283.00**

Uncommitted Account Balance: **0**



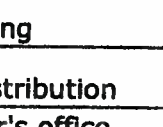

Account Number: **23-6500-0813-8114**

Procurement Agreements

<u>Not Applicable</u>	<u>Not Applicable</u>
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Grant-Funded Agreements

<u>Not Applicable</u>	Grant Name:
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Department	Signature	Date
1) Originating		7/10/12
2) Legal 	Mary C. Cortes	7/18/12
3) Finance 		7/18/12
4) Originating		
5) Copy Distribution		
a. Mayor's office (1 copies)		
b. Clerk-Treasurer (Original & 2 copies)		

RESOLUTION NO. 12-

BE IT RESOLVED by the City Council of the City of Huntsville, Alabama, that the Mayor be, and is hereby authorized, in Huntsville, Alabama, on behalf of the City of Huntsville, a municipal corporation in the State of Alabama to enter into Modification No. 1 to the Agreement with Barge, Waggoner, Sumner & Cannon, Inc., adopted and approved on the 24th day of March, 2011, by the City Council of the City of Huntsville, Alabama by Resolution No. 11-229, as attached hereto.

BE IT FURTHER RESOLVED that the total contract amount be and hereby is modified from EIGHT HUNDRED SEVENTY-FIVE THOUSAND SEVEN HUNDRED FORTY-TWO AND NO/100 DOLLARS (\$875,742.00) to NINE HUNDRED THIRTY THOUSAND TWO HUNDRED EIGHTY-THREE AND NO/100 DOLLARS (\$930,283.00), including this Modification No. 1, an increase of FIFTY-FOUR THOUSAND FIVE HUNDRED FORTY-ONE AND NO/100 DOLLARS (\$54,541.00). There are an additional four hundred and seventy (470) calendar days added to contract completion. New end date: December 11, 2014. Agreement is substantially in words and figures similar to that document attached hereto and identified as "Modification No. 1 to Agreement between City of Huntsville and Barge, Waggoner, Sumner & Cannon, Inc. for Huntsville Northern Bypass from 1.2 Miles East of Pulaski Pike to U.S. Highway 431, Project No. 65-10-RD08, as adopted by Resolution No. 11-229 of March 24, 2011" consisting of a total of three (3) pages plus twenty-three (23) additional pages consisting of Attachment "A", and the date of July 26, 2012 appearing on the margin of the first page, together with the signature of the President or President Pro Tem of the City Council, and an executed copy of said document being permanently kept on file in the Office of the City Clerk of the City of Huntsville, Alabama.

ADOPTED this the 26th day of July, 2012.

President of the City Council of
the City of Huntsville, Alabama

APPROVED this the 26th day of July, 2012.

Mayor of the City of Huntsville,
Alabama

STATE OF ALABAMA)
COUNTY OF MADISON)

Modification No. 1 to Agreement between
the City of Huntsville and Barge, Waggoner,
Sumner & Cannon, Inc. for Huntsville
Northern Bypass from 1.2 Miles East of
Pulaski Pike to U.S. Highway 431, Project
No. 65-10-RD08, as adopted by Resolution
No. 11-229 of March 24, 2011

THIS MODIFICATION TO AN AGREEMENT entered in on the 24th day of March, 2011, is hereby amended by Modification No. 1 dated July 26, 2012, by and between the CITY OF HUNTSVILLE, ALABAMA, a municipal corporation in the State of Alabama (OWNER) and BARGE, WAGGONER, SUMNER & CANNON, INC., (ENGINEER).

WITNESSETH

WHEREAS, the firm identified as the ENGINEER to the Agreement dated March 24, 2011, has proposed a change, identified as Attachment "A" to the Original Agreement. This modification delineates a change for the increased area of corridor studies for updating of the 2002 FONSI for approval by the Federal Highway Administration.

WHEREAS, the Owner desires that the contract drawings be altered to be consistent with Attachment "A" hereto.

NOW THEREFORE, in consideration of the mutual covenants set forth herein, the Owner and the ENGINEER agree to the following modifications to the agreement:

1. Barge, Waggoner, Sumner & Cannon, Inc. will provide for increased area of corridor studies for updating of the 2002 FONSI for approval by the Federal Highway Administration at a lump sum total amount of FIFTY-FOUR THOUSAND FIVE HUNDRED FORTY-ONE AND NO/100 DOLLARS (\$54,541.00). There are an additional four hundred and seventy (470) calendar days added to contract completion. New end date: December 11, 2014.
2. Item #1 shall be performed in accordance with the original agreement dated March 24, 2011 and approved by the City Council by Resolution No. 11-229, and as described in the letter from Harry M. Wilson to Shane Davis, dated June 21, 2012, shown as Attachment "A".

President of the City Council of the City of
Huntsville, AL

Date: July 26, 2012

3. The terms of this contract modification and the execution thereof is not in any way to be viewed as a waiver on the part of the Owner of any of its rights pursuant to the Contract as modified previously.
4. All other terms and conditions remain unchanged.

IN WITNESS WHEREOF, the parties have entered their hands and seals and attest to the same with the signature of the Mayor being the official act of the said municipality in accordance with his duly constituted authority.

THE CITY OF HUNTSVILLE, ALABAMA,
a municipal corporation

By: _____
Tommy Battle
Its Mayor

ATTEST:

Charles E. Hagood
City Clerk-Treasurer

STATE OF ALABAMA)
COUNTY OF MADISON)

I, the undersigned, a notary public in and for said County, in said State, hereby certify that Tommy Battle and Charles E. Hagood, whose names as Mayor and City Clerk-Treasurer of the City of Huntsville, a municipal corporation, are signed to the foregoing instrument, and who are known to me, acknowledged before me on this day that, being informed of the contents of the instrument, they, in their capacity as such officers, executed the same with full authority for and as the act of said corporation on the day the same bears day.

GIVEN under my hand and official seal this the _____ day of _____ 2012.

Notary Public
My Commission Expires: _____

ENGINEER: BARGE, WAGGONER,
SUMNER & CANNON, INC.

By: Harry M. Wilson
Harry M. Wilson

ATTEST:

Linexa Carter

STATE OF ALABAMA)
COUNTY OF MADISON)

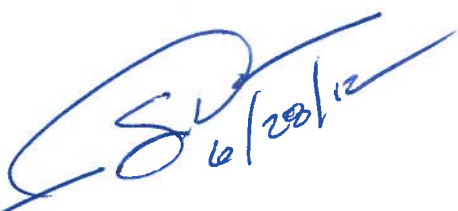
I, the undersigned, a notary public in and for said County, in said State, hereby certify that Harry M. Wilson, as Vice President, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, in his capacity as such officer, executed the same with full authority for and as the act of said Corporation on the day the same bears day.

GIVEN under my hand and official seal this the 13th day of July 2012.

Marybeth Hollingsworth
Notary Public
My Commission Expires: 3/28/2015



6-21-12
File 32321-30



Mr. Shane Davis, PE
Director, Engineering Division
City of Huntsville
302 Fountain Circle
Huntsville, Alabama 35801

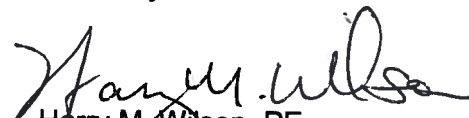
RE: Huntsville Northern Bypass from 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431): Contract Modification #1

Dear Mr. Davis:

BWSC is pleased to respond to your request of a contract modification for professional services relative to the design of Huntsville Northern Bypass. It is BWSC's understanding that the City of Huntsville wishes to extend the corridor study and survey limits south and north of the existing project limits along US-431 as noted in the attached scope. BWSC will provide the services listed as outlined in the Scope of Services attached, according to the Man-day worksheet and schedule attached.

If you should have any questions, please feel free to call Jack Kimbrough, Jr. PE, at 256-533-1561.

Sincerely,



Harry M. Wilson, PE
Office Manager/Vice President

Mr. Shane Davis, PE
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June 21, 2012
File 32321-30

SCOPE OF SERVICES
HUNTSVILLE NORTHERN BYPASS
FROM 1.2 MILES EAST OF CR-86 (PULASKI PIKE) TO SR-1 (US-431)
NEW ALIGNMENT
CORRIDOR STUDY, RIGHT OF WAY DOCUMENTS, AND CONSTRUCTION PLANS
CONTRACT MODIFICATION #1

PROJECT DESCRIPTION:

As noted during our meeting on Monday, February 27, 2012, the study limits of the proposed project must be extended south of and north of the current project limits along US-431 to satisfy the travel lane modifications noted in the Traffic Study provided by Skipper Consulting, dated February 2012. In order to determine the areas impacted and right of way required for the ultimate build out (the proposed construction as noted in the environmental document, not that currently in the construction plans scope of the project), additional survey and environmental studies are required in these areas. The City of Huntsville does not wish to purchase this ultimate right of way. The effort for the preparation of additional right of way documents is not included as part of this modification.

See Attachment's A and B for the Location Maps of Contract 65-10-RD08 dated 4/20/10 and 3/24/11, respectively for the previous and current limits of survey, environmental studies and right of way. See Attachment C for the proposed project extensions as noted above.

I: Corridor Study: The BWSC Team will update preliminary drawings and designs to incorporate the extended limits of impact noted above. These modifications will include improvements to the roadway noted in the Traffic Study dated February 2012.

As a subconsultant to BWSC, AECOM will provide additional environmental studies specified in their attached proposal.

- Deliverables for this task include a 1" = 100' roll map of the revised preliminary design. Two hard copies and one .pdf on CD will be provided. Re-evaluation documents for submittal to ALDOT and FHWA will be in as specified in the proposal from AECOM.

BWSC will attend meetings for these tasks in accordance with the list below.

Mr. Shane Davis, PE
 Page 3
 June 21, 2012
 File 32321-30

<u>Description</u>	<u>Location</u>	<u># Occurrences</u>
Preliminary Design Review	Huntsville, AL	2

II: Survey: BWSC will obtain field survey information for 500' north of and 500' south of the previous survey limits noted in Attachment A to provide additional information required to design the turn lanes (not the full build alternate) noted in the Traffic Study noted above, in accordance with ALDOT procedures outlined in the "ALDOT Survey Services Attachment (Revised 1-13-09)". This modification will include the extended limits noted above for a width of 400'.

- Deliverables for field survey will be in accordance with "ALDOT Survey Services Attachment (Revised 1/13/09)

No meeting are anticipated for this task.

****ASSUMPTIONS AND CLARIFICATIONS:**

1. THE ASSUMPTIONS AND CLARIFICATIONS FROM THE ORIGINAL CONTRACT SHALL STILL APPLY.

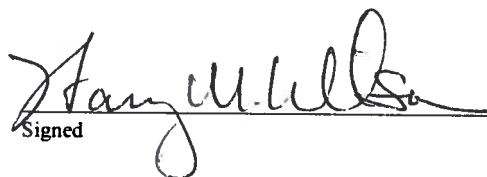
6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No.	65-10-RD08		
Project Name	Huntsville Northern Bypass - West Section		
Description	From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)		
Scope of Work	Modification No. 1		
Project Length	4.17		
C.O.H. Project Engineer	Bill Boggess		
Engineering Consultant	Barge, Waggoner, Sumner and Cannon, Inc.		
GRAND TOTAL OF FEE PROPOSAL			
	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$45,211.35	\$0.00	\$45,211.35
Field Surveys	\$9,060.00	\$270.00	\$9,330.00
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$0.00	\$0.00	\$0.00
Roadway Plans	\$0.00	\$0.00	\$0.00
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
GRAND TOTAL FEE		\$54,541	

LABOR RATES	Effective Time Period	PROJECT DURATION
Classification	Hourly Rate	Assigned Personnel
Project Engineer	\$155.00	KEITH MAGEE
Environmental Scientist		
Design Engineer	\$120.00	JACK KIMBROUGH, JR.
Engineer Tech. / CADD	\$80.00	JEREMY GREEN
Clerical	\$67.00	MICHELLE GWIN
PLS	\$104.00	GARY PITZING
Survey Crew	\$160.00	



Signed

6-21-12

Date

Vice President

Position/Title

6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No. 65-10-RD08			
Project Name Huntsville Northern Bypass - West Section			
Description From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)			
Scope of Work Modification No. 1			
Project Length 4.17			
C.O.H. Project Engineer Bill Boggess			
Engineering Consultant Barge, Waggoner, Sumner and Cannon, Inc.			
CORRIDOR STUDY	Project Engineer	Design Engineer	Engineer Tech. / CADD
Task A: Preliminary Corridor Investigation	ESTIMATED MAN-DAYS		
A-1 Obtain & Study Maps	0.00	0.00	0.00
A-2 Prepare Corridor Base Maps, Identify Features & Env. Sensitive Areas	0.00	0.00	0.00
A-3 Consult With Various Agencies, Ascertain Their Requirements	0.00	0.00	0.00
A-4 Develop General Design Criteria for Each Reasonable Alternate	0.00	0.00	0.00
A-5 Extra Meetings with COH/ALDOT	2.00	2.00	2.00
A-6 Develop ROW Map for FONSI Impacts	0.50	1.00	5.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
Task A Totals	2.50	3.00	7.00
Task B: Alternative Upgrading Studies			
B-1 Develop & Study Preliminary Alternate Designs to Determine Feasibility	0.50	2.00	2.00
B-2 Develop Cost Estimates	0.25	0.50	0.50
B-3 Conduct Environmental Studies	0.00	0.00	0.00
B-4 Prepare Information for & Attend Public Inv. Meeting/Analyze Comments	0.00	0.00	0.00
B-5 Review Feasible Alternates	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
Task B Totals	0.75	2.50	2.50
Task C: Engineering Analysis on Selected Alternative			
C-1 Refine Selected Alternate & Prepare Layout Map & Profile/Study Report	0.50	1.00	2.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
Task C Totals	0.50	1.00	2.00
TOTALS	3.75	6.50	11.50

6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No. 65-10-RD08
Project Name Huntsville Northern Bypass - West Section
Description From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)
Scope of Work Modification No. 1
Project Length 4.17
C.O.H. Project Engineer Bill Boggess
Engineering Consultant Barge, Waggoner, Sumner and Cannon, Inc.
Out-of-pocket Expenses (Corridor Study)

PRINTING / REPRODUCTION COST					
Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ -

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
	\$ -

Total Out-of-pocket Expenses	\$ -
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Comments:

6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No.	65-10-RD08		
Project Name	Huntsville Northern Bypass - West Section		
Description	From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)		
Scope of Work	Modification No. 1		
Project Length	4.17		
C.O.H. Project Engineer	Bill Boggess		
Engineering Consultant	Barge, Waggoner, Sumner and Cannon, Inc.		
Fee Proposal (Corridor Study)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	3.75	\$ 1,240.00	\$ 4,650.00
Design Engineer	6.50	\$ 960.00	\$ 6,240.00
Engineer Tech. / CADD	11.50	\$ 640.00	\$ 7,360.00
Clerical	1.00	\$ 536.00	\$ 536.00
Sub-Total			\$ 18,786.00
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
AECOM		\$	25,167.00
		\$	-
		\$	-
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	1,258.35
Sub-Total			\$ 26,425.35
TOTAL LABOR			\$ 45,211.35

6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No. 65-10-RD08				
Project Name Huntsville Northern Bypass - West Section				
Description From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)				
Scope of Work Modification No. 1				
Project Length 4.17				
C.O.H. Project Engineer Bill Boggess				
Engineering Consultant Barge, Waggoner, Sumner and Cannon, Inc.				
FIELD SURVEY		PLS	Survey Crew	Engineer Tech. / CADD
Based on a 3 Man Crew				
Task	ESTIMATED MAN-DAYS			
Contact Property Owners	0.00	0.00	0.00	
Perform Basic Control Survey	0.00	1.00	0.00	
Obtain Topographic Data	0.50	2.00	0.50	
Define Drainage Areas/Prepare Schematic Drainage Map	0.00	0.00	0.00	
Identify/Locate Utilities	0.00	0.50	0.00	
Tie to Required Property Corners	0.50	1.00	0.00	
Obtain Copies of Latest Deeds	0.00	0.00	0.00	
Set & Reference Pls, PCs, POTs, POCs, & other critical points	0.00	0.00	0.00	
Prepare Detailed Topographical/Field Map	0.00	0.00	1.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
	0.00	0.00	0.00	
TOTALS	1.00	4.50	1.50	

6/20/2012

City of Huntsville Engineering Division

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Project No.	65-10-RD08
Project Name	Huntsville Northern Bypass - West Section
Description	From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)
Scope of Work	Modification No. 1
Project Length	4.17
C.O.H. Project Engineer	Bill Boggess
Engineering Consultant	Barge, Waggoner, Sumner and Cannon, Inc.
Out-of-pocket Expenses (Field Survey)	

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
Field Map	0	2	0	\$ 2.50	\$ -
Current Deeds from Courthouse	0	150	0	\$ 0.25	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C					\$ -

Communication Cost (telephone, fax, etc.)	Total
	\$ -

Postage Cost (overnight, stamps, etc.)	Total
	\$ -

Other (provide description on next line)	Total
Field Supplies @ \$60/Day	\$ 270.00

Total Out-of-pocket Expenses	\$ 270.00
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Comments:

6/20/2012

City of Huntsville Engineering Division

4:15 PM

Project No.	65-10-RD08		
Project Name	Huntsville Northern Bypass - West Section		
Description	From 1.2 Miles East of CR-86 (Pulaski Pike) to SR-1 (US-431)		
Scope of Work	Modification No. 1		
Project Length	4.17		
C.O.H. Project Engineer	Bill Boggess		
Engineering Consultant	Barge, Waggoner, Sumner and Cannon, Inc.		
Fee Proposal (Field Survey)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	1.00	\$ 1,240.00	\$ 1,240.00
PLS	1.00	\$ 832.00	\$ 832.00
Survey Crew	4.50	\$ 1,280.00	\$ 5,760.00
Engineer Tech. / CADD	1.50	\$ 640.00	\$ 960.00
Clerical	0.50	\$ 536.00	\$ 268.00
Sub-Total			\$ 9,060.00
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
Subconsultant Administration Expense (5%)			\$ -
Sub-Total			\$ -
TOTAL LABOR			\$ 9,060.00



AECOM
3800 Colonnade Parkway
Suite 400
Birmingham, Alabama 35243
www.aecom.com

205 970 1443 tel
205 970 7784 fax

May 2, 2012

Mr. Jack Kimbrough, P.E.
Barge Waggoner Sumner & Cannon, Inc
200 Clinton Avenue, Suite 800
Huntsville, AL 35801

Job: 60218058
Log: S0019
File: 4.01

Subject: **Supplemental Environmental Manday Fee Estimate Submittal
Project No. STPOA-8570(600)
Huntsville Northern Bypass - Pulaski Pike to US-431
Madison County, Alabama**

Dear Mr. Kimbrough:

Please find attached our supplemental manday estimate and fee proposal for the environmental services on the above referenced project. This proposal includes the additional environmental analysis and studies necessary for the inclusion of widening Memorial Parkway (as detailed in Attachment C) into the Re-Evaluation of the Finding of No Significant Impact (FONSI) which was previously scoped for the subject project. The widening of Memorial Parkway to be studied is from 3000 feet south of the proposed Huntsville Northern Bypass/Memorial Parkway Intersection to 1500 feet north of the existing Bob Wade Lane intersection.

The following additional environmental analysis will be necessary for the Re-Evaluation:

Extended Hazardous materials survey area
Extended Wetland/stream survey area
Updated agency coordination
Extended noise analysis area
Extended cultural resource survey area
Added business/residential impacts
Updated farmland coordination
Added FONSI text and figures

The following assumptions will be made for the additional environmental analysis:

1. One (1) 500 ft wide study corridor will be studied along the Memorial Parkway.
2. The noise analysis (Existing/No Build/ Build) will be conducted using TNM 2.5.
3. We are assuming ALDOT will provide traffic counts for use in the noise modeling of the project.
4. The CONSULTANT will provide updated hazardous material notification forms to ALDOT.
5. We are assuming ALDOT will perform any necessary drilling to determine the existence or non-existence of hazardous waste at potential HAZMAT sites along corridor and provide final clearance letter for inclusion in the document.
6. The cultural resource assessment will be conducted by a sub-consultant, Panamerica.
7. An ASTM Phase I Environmental Site Assessment is not included in this scope.
8. A Phase II Cultural Resource Assessment is not included in this scope.
9. ALDOT will provide completed ROW-RA1 relocation forms.
10. ALDOT or City of Huntsville (COH) will provide ROW and utility estimates for inclusion in the document.
11. BWSC will provide the construction cost estimate for inclusion in the document.
12. Additional work such as noise monitoring or mitigation studies required as a result of our findings will be considered beyond this scope.
13. BWSC will provide all CAD data for use in technical analysis.
14. Raster Imagery will be provided from COH.
15. Wetland delineation will be preliminary based on GPS coordinates; wetland boundary will not be flagged.



16. Permit applications will be handled through ALDOT.
17. Corps of Engineers coordination will be handled through ALDOT.
18. Early coordination will be handled through ALDOT.
19. The archaeological survey will be performed by the Panamerica.
20. Skipper will provide capacity analysis results for inclusion in document.

We look forward to assisting you through the environmental process of this project. Please call if you have any questions or need any additional information.

Sincerely,

AECOM


Mandy A. Phillips
Environmental Planner

5/3/2012

City of Huntsville Engineering Division

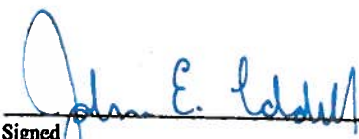
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Project No.	STPOA-8570(600)
Project Name	HUNTSVILLE NORTHERN BYPASS
Description	FROM 1.2 MILES EAST OF CR-86 (PULASKI PIKE) TO SR-1(US-431)
Scope of Work	FONSI Re-Evaluation
Project Length	1.00
C.O.H. Project Engineer	BILL BOGGESS
Engineering Consultant	AECOM (BWSC Subconsultant)

GRAND TOTAL OF FEE PROPOSAL

	Labor Cost	Out-of-pocket Expenses	Fee
Corridor Study	\$24,816.92	\$350.00	\$25,166.92
Field Surveys	\$0.00	\$0.00	\$0.00
Preliminary Roadway Plans	\$0.00	\$0.00	\$0.00
Preliminary Bridge Plans	\$0.00	\$0.00	\$0.00
Right-of-Way Map, Tract Sketches and Deeds	\$0.00	\$0.00	\$0.00
Roadway Plans	\$0.00	\$0.00	\$0.00
Bridge Plans	\$0.00	\$0.00	\$0.00
Drainage Plans	\$0.00	\$0.00	\$0.00
Sanitary Sewer Plans	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
SUB-TOTAL	\$24,816.92	\$350.00	\$25,166.92
GRAND TOTAL FEE			\$25,167

LABOR RATES	Effective Time Period	Project Duration
Classification	Hourly Rate	Assigned Personnel
Project Engineer		
Environmental Scientist		
Design Engineer	\$127.95	Mandy Phillips, Allen Jack
Engineer Tech. / CADD	\$101.78	Bryant Grady
Clerical	\$73.79	Jodie Seagle
PLS		
Survey Crew		


 Signed _____ Date 5/3/12
 Associate Vice President
 Position/Title

5/3/2012

City of Huntsville Engineering Division

2:33 PM

Project No. STPOA-8570(600)			
Project Name HUNTSVILLE NORTHERN BYPASS			
Description FROM 1.2 MILES EAST OF CR-86 (PULASKI PIKE) TO SR-1(US-431)			
Scope of Work FONSI Re-Evaluation			
Project Length 1.00			
C.O.H. Project Engineer BILL BOGGESS			
Engineering Consultant AECOM (BWSC Subconsultant)			
CORRIDOR STUDY	Project Engineer	Design Engineer	Engineer Tech. / CADD
Task A: Preliminary Corridor Investigation	ESTIMATED MAN-DAYS		
A-1 Obtain & Study Maps	0.00	0.00	0.25
A-2 Prepare Corridor Base Maps, Identify Features & Env. Sensitive Areas	0.00	0.50	0.25
A-3 Consult With Various Agencies, Ascertain Their Requirements	0.00	0.50	0.50
A-4 Develop General Design Criteria for Each Reasonable Alternate	0.00	0.00	0.00
Meet with State, FHWA, COH, BWSC (1 env x 10 meetings x 0.5 days)	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
Task A Totals	0.00	1.00	1.00
Task B: Alternative Upgrading Studies			
B-1 Develop & Study Preliminary Alternate Designs to Determine Feasibility	0.00	0.00	0.00
B-2 Develop Cost Estimates	0.00	0.00	0.00
B-3 Conduct Environmental Studies	0.00	6.00	6.00
B-4 Prepare Information for & Attend Public Inv. Meeting/Analyze Comments	0.00	0.00	0.00
B-5 Review Feasible Alternates	0.00	1.00	0.00
	0.00	0.00	0.00
	0.00	0.00	0.00
Task B Totals	0.00	7.00	6.00
Task C: Engineering Analysis on Selected Alternative			
C-1 Refine Selected Alternate & Prepare Layout Map & Profile/Study Report	0.00	1.00	1.00
C-2 Prepare FONSI on Preferred Alternate/Submit for Review & Approval	0.00	3.00	2.00
	0.00	0.00	0.00
Task C Totals	0.00	4.00	3.00
TOTALS	0.00	12.00	10.00

5/3/2012

City of Huntsville Engineering Division

2:33 PM

Project No.	STPOA-8570(600)
Project Name	HUNTSVILLE NORTHERN BYPASS
Description	FROM 1.2 MILES EAST OF CR-86 (PULASKI PIKE) TO SR-1(US-431)
Scope of Work	FONSI Re-Evaluation
Project Length	1.00
C.O.H. Project Engineer	BILL BOGGESS
Engineering Consultant	AECOM (BWSC Subconsultant)
Out-of-pocket Expenses (Corridor Study)	

PRINTING / REPRODUCTION COST

Type of printing/reproduction	# of Sets	Sheets per Set	Total Sheets	Cost per Sheet	Total
			0	\$ 0.17	\$ -
			0	\$ 0.17	\$ -
			0	\$ 0.17	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
	0	0	0	\$ -	\$ -
Total Printing/Reproduction C:					\$ -

Communication Cost (telephone, fax, etc.)

Total

\$ -

Postage Cost (overnight, stamps, etc.)

Total

Other (provide description on next line)

Total

Mileage from BHM to HSV and BHM to Mont. and travel allowance for trips

\$ 350.00

Total Out-of-pocket Expenses**\$ 350.00****Comments:**

5/3/2012

City of Huntsville Engineering Division

2:33 PM

Project No. STPOA-8570(600)			
Project Name HUNTSVILLE NORTHERN BYPASS			
Description FROM 1.2 MILES EAST OF CR-86 (PULASKI PIKE) TO SR-1(US-431)			
Scope of Work FONSI Re-Evaluation			
Project Length 1.00			
C.O.H. Project Engineer BILL BOGGESS			
Engineering Consultant AECOM (BWSC Subconsultant)			
Fee Proposal (Corridor Study)			
PERSONNEL COST			
	Man-days	Daily Rate @ 8hrs/day	
Project Engineer	0.00	\$ -	\$ -
Design Engineer	12.00	\$ 1,023.60	\$ 12,283.20
Engineer Tech. / CADD	10.00	\$ 814.24	\$ 8,142.40
Clerical	1.00	\$ 590.32	\$ 590.32
Sub-Total			\$ 21,015.92
SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)			
Panamerica (Cultural Resources Survey)		\$	3,620.00
		\$	-
		\$	-
		\$	-
		\$	-
		\$	-
Subconsultant Administration Expense (5%)		\$	181.00
Sub-Total			\$ 3,801.00
TOTAL LABOR			\$ 24,816.92

Panamerican Consultants, Inc.



Terrestrial Archaeology • Architectural History • Maritime Archaeology • Geographic Information Systems • Historic Context

May 3, 2012

Mandy Phillips
AECOM Technical Services, Inc.
3800 Colonnade Parkway, Suite 400
Birmingham, AL 35243

RE: Proposal to conduct a Phase I cultural resources investigations for a proposed Right-of-Way along US 231 associated with the Huntsville Northern Bypass.

Dear Ms. Phillips:

Panamerican Consultants, Inc. (Panamerican) is pleased to submit to you this proposal to conduct Phase I cultural resources investigations for a proposed project involving the extension of the Huntsville Northern Bypass, along US Highway 231/431 in Madison County, Alabama, as mapped in Figure 1. As you know, Panamerican is a registered corporation that specializes in cultural resource management and archaeological research. Additional information regarding Panamerican office can be obtained by visiting our web page at the following address: www.panamconsultants.com.

Key staff that will be assigned to this project include me (Meredith) as Principal Investigator, as well as one of several qualified field archaeologists as Project Archaeologist. I am certified by and listed on the Register of Professional Archaeologists (RPA) (see <http://www.rpanet.org/>). Our resumes can be provided on request.

The cultural resources scope of work for the proposed Rights-of-Way (ROW) includes two initial steps: background research and a Phase I cultural resources survey.

The background research would be conducted before the Phase I survey. This aspect would include an examination the Alabama state archaeological site files, previous survey data from the Alabama Historical Commission (AHC), county soil survey maps, and other local historic information typically available at the local county court house. This research will help our archaeologists and architectural historians in the planning stages leading up to the actual cultural resources survey. This step will take approximately one day.

The fieldwork for the survey will conform with guidelines outlined by the AHC. To meet or exceed these guidelines, the following procedures will be followed in the field. Shovel tests will be excavated within the ROW, each spaced 30 meters or less apart. The soil from each shovel test will be screened through ¼" hardware mesh screens and any cultural material will be collected and recorded by individual provenience. Any shovel test that produces cultural material will be further examined and additional shovel tests that will be dug around those positive tests. These additional tests will be dug

2619 University Blvd • Tuscaloosa, Alabama 35401
Phone (205) 556-3096 • Fax (205) 556-1144 • Toll Free (800) 856-1944

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10 to 15 meters in distance from the original positive test in the cardinal directions within the ROW boundary. This will continue until two negative shovel tests are recorded or the ROW boundary is reached. By doing this, the boundaries of any archaeological site or isolated find will be defined, as it exists within the ROW.

The end result of the survey will be that all sites and isolated finds will be defined on a map including central location of the site and its boundary within the ROW. In addition, each site will be evaluated, based on criteria set for inclusion in the National Register of Historic Places (NRHP).

In addition to the shovel testing, our architectural historian will be examining any buildings, structures, or landscapes impacted by the proposed replacements. The actual examination will be conducted at the same time as the archaeological survey.

The survey and results will be submitted in a report exceeding the standards for archaeological reporting as defined by the Alabama Historical Commission. To complete the laboratory analysis and report phase an additional 10 days will be required. This report will be submitted to the client for initial comment and after approval the report will be submitted to the Historical Commission for comments.

We can begin the background research within seven days of notice-to-proceed. In total, the project will last for seven workdays. Panamerican can provide all personnel and equipment required to conduct this project for a fixed fee of \$3,620.00.

Regards,

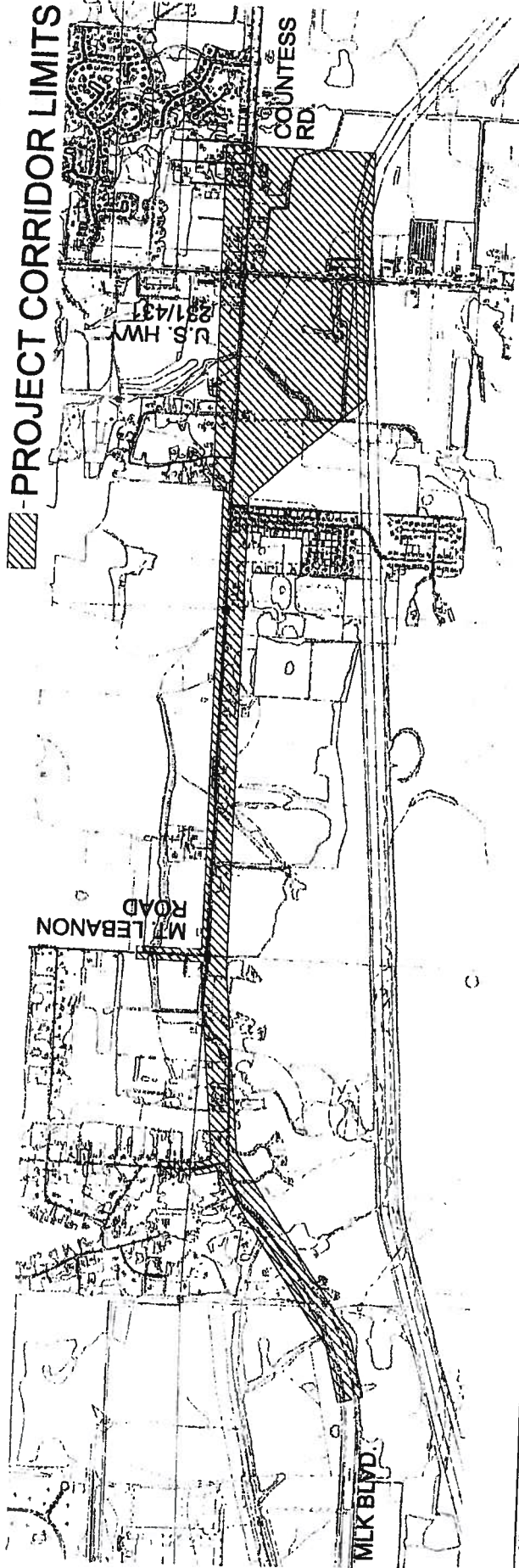


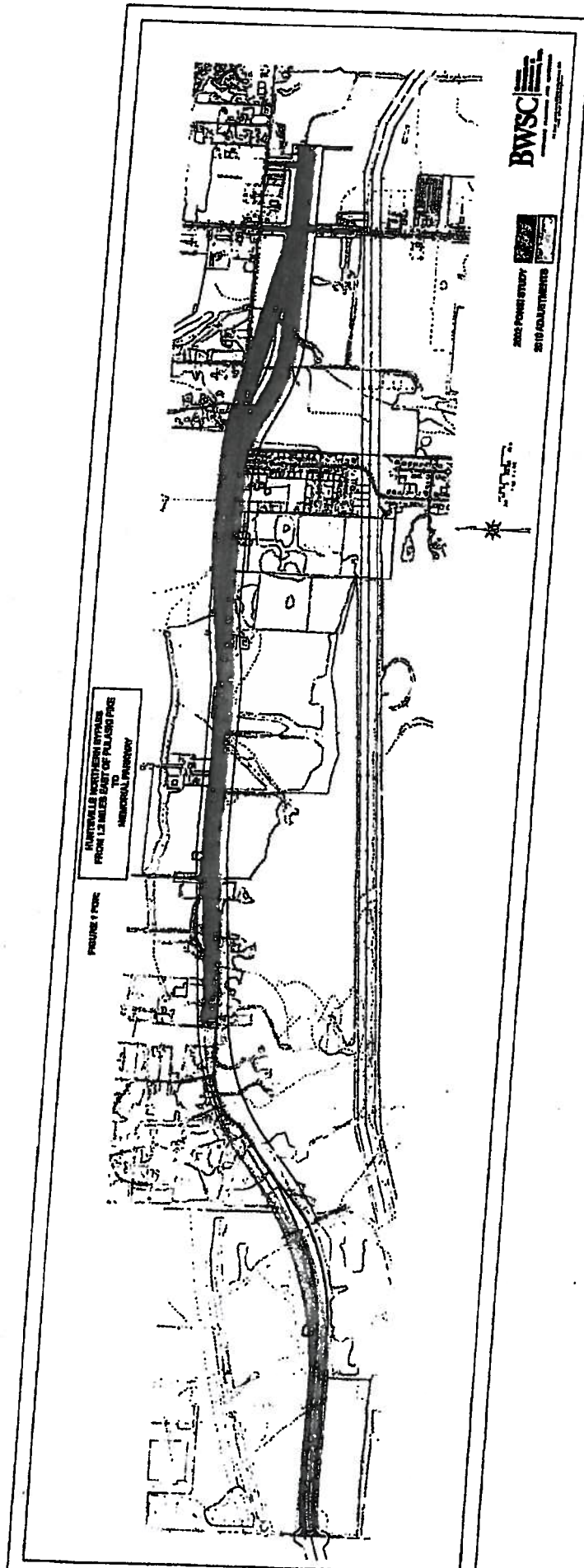
Steven M. Meredith
Senior Archaeologist
Panamerican Consultants, Inc.

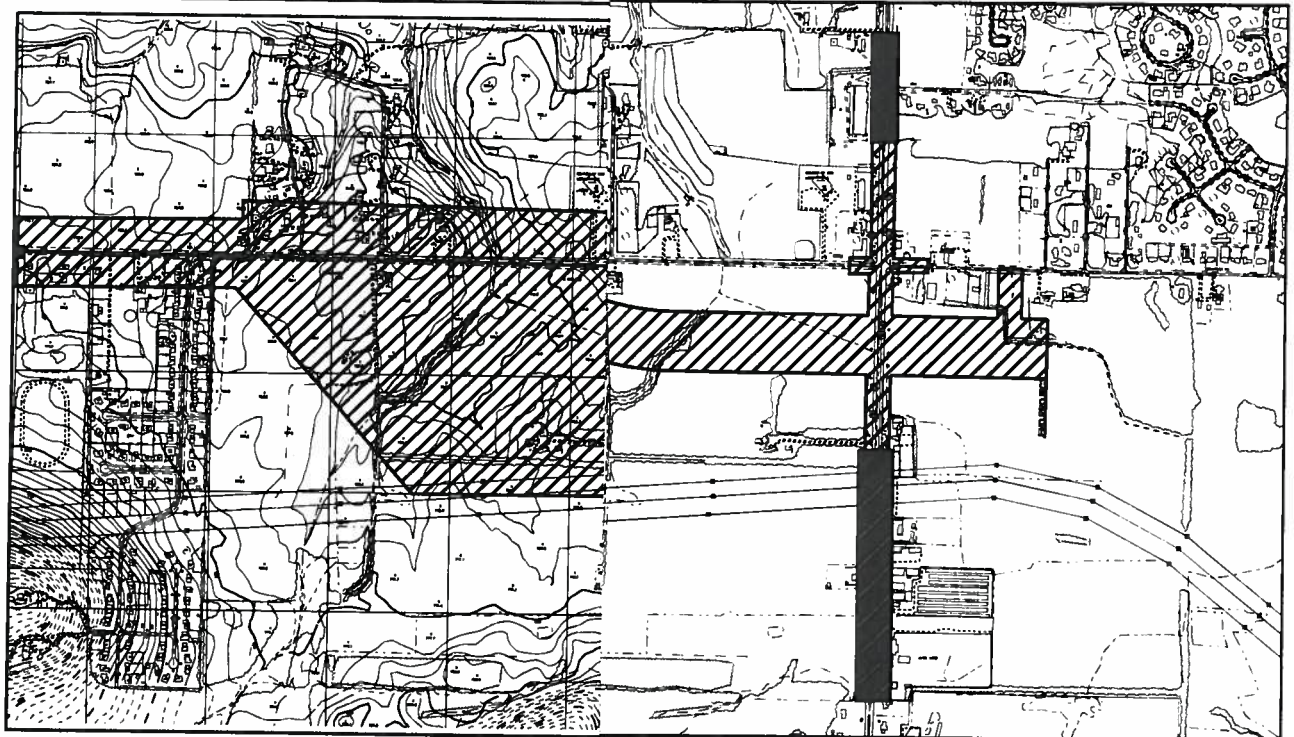
Attachment A

Att 1 - Pg 9 of 9 - 4/22/10

LOCATION MAP
N.T.S.







2010 SURVEY LIMITS



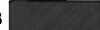
2011 STUDY LIMITS

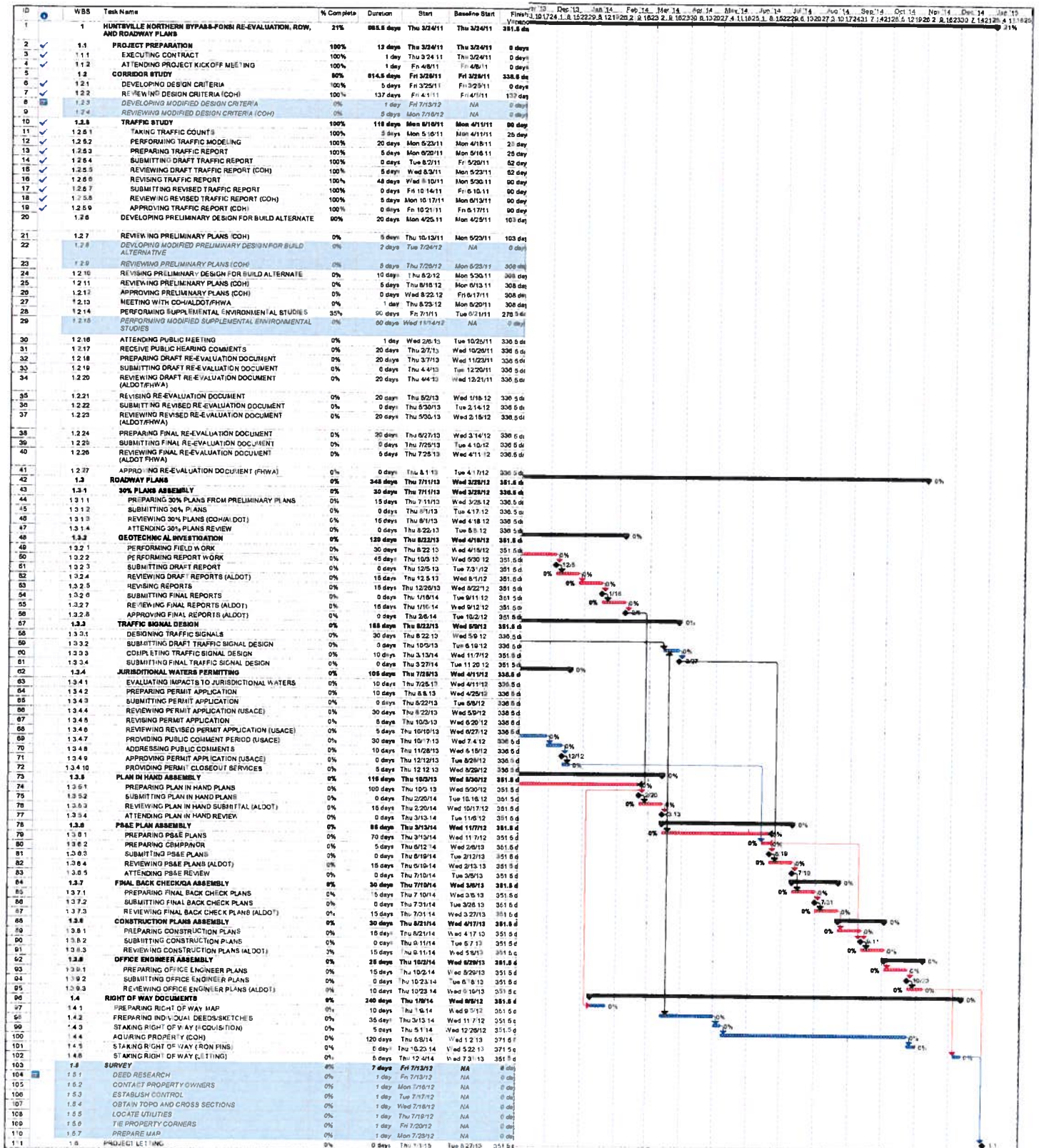


2012 EXPANDED LIMITS



2012 EXPANDED LIMITS

**BWSC**BARRE
WASSONER
SUNNER &
DANFORTH, INC.ENGINEERS, PLANNERS AND SURVEYORS
100 STATE STREET, SUITE 100, BARRE, VT 05641
PHONE: 802-249-1234 FAX: 802-249-1235



BARGE, WAGGONER, SUMNER AND CANNON, INC.

ENGINEERS □ ARCHITECTS □ PLANNERS

**SCHEDULE OF
STANDARD CHARGES**

**HUNTSVILLE NORTHERN BYPASS:
FROM PULASKI PIKE TO US-431**

HOURLY- RATE BASIS

Principal Engineer, PE	\$198.00
Senior Structural Engineer, PE	\$158.00
Structural Engineer, PE	\$108.00
Senior Civil Engineer, PE	\$155.00
Civil Engineer, PE	\$120.00
Civil Engineer, EI	\$ 80.00
Professional Land Surveyor	\$104.00
Assistant Survey Manager	\$ 84.00
2-Man Survey Crew	\$119.00
3-Man Survey Crew	\$160.00
Construction Inspector	\$ 92.00
Senior CADD Designer	\$ 92.00
CADD Designer	\$ 92.00
CADD Technician	\$ 92.00
Administrative Personnel	\$ 67.00

Outside services contracted for a specific project, such as professional and technical consultants, laboratory testing, reproduction, photography, etc. will be invoiced at the amount of the subcontractor's statement plus 5 percent.

Other expenses which are properly chargeable to the work will be invoiced as follows:

- a. In-House printing, reproduction and photography charges at commercial rates.
- b. Travel and living expenses for all personnel when required to be away from headquarters in connection with the work at cost.

Statements will be issued on a monthly basis.

THESE RATES WILL REMAIN IN EFFECT THROUGH THE DURATION OF THE CONTRACT.